

# INTERNATIONAL SEARCH REPORT

GB2004/002746

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G10H3/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10H G10D G10F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 183 076 A (TRAGEN IAN BARRY) 28 May 1987 (1987-05-28) abstract; figure 5 page 2, lines 3-125 page 1, lines 5-8, 34-37, 71-73, 102-107	1-15, 17, 18
A	US 5 157 213 A (ARAI YONEAKI ET AL) 20 October 1992 (1992-10-20) abstract; figures 1, 7, 12 column 1, lines 14-24	1-20
A	US 5 062 341 A (DEAN BRYAN L ET AL) 5 November 1991 (1991-11-05) abstract; figure 1 column 1, lines 15-29; figure 6	1-20
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*8\* document member of the same patent family

Date of the actual completion of the international search

8 September 2004

Date of mailing of the international search report

06/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Feron, M

# INTERNATIONAL SEARCH REPORT

GB2004/002746

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 904 222 A (GASTGEB RAYMOND F ET AL) 27 February 1990 (1990-02-27) abstract; figures 1,3,5 column 3, line 4 - column 4, line 59 -----	1,18
A	EP 0 444 919 A (UNIV LELAND STANFORD JUNIOR) 4 September 1991 (1991-09-04) abstract; figures 1-3,7-9 -----	16

# INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/002746

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2183076	A	28-05-1987	NONE	
US 5157213	A	20-10-1992	JP 63006492 U	16-01-1988
			JP 63011697 U	26-01-1988
			JP 1583023 C	22-10-1990
			JP 2007076 B	15-02-1990
			JP 62278594 A	03-12-1987
			JP 63045598 U	28-03-1988
			US 5350881 A	27-09-1994
			US 4995294 A	26-02-1991
US 5062341	A	05-11-1991	US 4909117 A	20-03-1990
			GB 2208027 A ,B	15-02-1989
			HK 14890 A	02-03-1990
US 4904222	A	27-02-1990	NONE	
EP 0444919	A	04-09-1991	US 4980519 A	25-12-1990
			EP 0444919 A1	04-09-1991
			JP 6161449 A	07-06-1994